	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	3	("5344132"|"5530907"|"5889896").PN.	USPAT	2005/01/21 16:22			
2	BRS	L2	2	11 and binar$8	USPAT	2005/01/21 16:22			
3	BRS	L3	0	2 and (multival$3 or multi-value$1)	USPAT	2005/01/21 16:24			
4	BRS	L4	1	2 and (color$1 or rgb)	USPAT	2005/01/21 16:23			
5	BRS	L5	1903	binar$8 same (multival$3 or multi-value$1)	USPAT	2005/01/21 16:24			
6	BRS	L6	53	5 same edit$3	USPAT	2005/01/21 16:24			
7	BRS	L7	52	6 same (document or sheet or image$1)	USPAT	2005/01/21 16:25			
8	BRS	L8	0	7 same (character$1 near3 (recogn$6 or identif$6))	USPAT	2005/01/21 16:25			
9	BRS	L9	25	5 same (character$1 near3 (recogn$6 or identif$6))	USPAT	2005/01/21 16:26			
10	BRS	L10	9	9 and ((output$5 or display$3) near5 (multivalue$1 or multi-value$1))	USPAT	2005/01/21 16:39			
11	BRS	L11	9	10 and (character$1 near10 (recogn$6 or identif$6))	USPAT	2005/01/21 16:38			

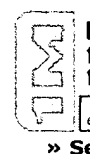|	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
12	BRS	L12	53	(rgb or (red adj green adj blue) or multi-value$1 or multivalue$1) same (character near4 recogn$6)	USPAT	2005/01/2 1 16:50			
13	BRS	L13	58	(rgb or (red adj green adj blue) or multivalue$1 or multi-value$1) same (character$1 near4 recogn$6)	USPAT	2005/01/2 1 16:55			
14	BRS	L14	26	13 same binar$8	USPAT	2005/01/2 1 16:40			
15	BRS	L15	4	14 same (edit$3 or correct$6 or adjust$6 or fix$3 or modif$7)	USPAT	2005/01/2 1 16:48			
16	BRS	L16	3	14 and (editing or editor)	USPAT	2005/01/2 1 16:48			
17	BRS	L17	0	(rgb or (red adj green adj blue) or multivalue$1 or multi-value$1) same (character near4 recogn$6) same edit$3	USPAT	2005/01/2 1 17:09			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
18	BRS	L18	6	(creat$3 or generat$3) same(rgb or (red adj green adj blue) or multivalue$1 or multi-value$1) same (character near4 recogn$6) same ((black near3 white) or binar$8)	USPAT	2005/01/2 1 16:51			
19	BRS	L19	14	(rgb or (red adj green adj blue) or multivalue$1 or multi-value$1) near6 (binar$8 or (black near1 white)) same (character$1 near4 recogn$6) same imag$3	USPAT	2005/01/2 1 16:55			
20	BRS	L20	6	14 same (document or sheet or transcr$5 or manuscript)	USPAT	2005/01/2 1 16:55			
21	BRS	L21	6	14 same (document$1 or sheet$1 or transcr$5 or manuscript$1 or paper$1)	USPAT	2005/01/2 1 16:57			
22	BRS	L22	24	13 and (image$1 near5 (sheet$1 or document$1))	USPAT	2005/01/2 1 16:57			
23	BRS	L23	23	22 and (binar$8 or (black near2 white))	USPAT	2005/01/2 1 17:00			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
24	BRS	L24	1	(character$1 near3 recogn$6) same (display$3 near10 (rgb or multi-value$1 or multivalue$1)) same image$1	USPAT	2005/01/2 1 17:02			
25	BRS	L25	104	binar$7 with image$1 with (screen or display$3) with (rgb or multi-value$1 or multivalue$1)	USPAT	2005/01/2 1 17:03			
26	BRS	L26	0	25 same (character$1 near3 recogn$6)	USPAT	2005/01/2 1 17:03			
27	BRS	L27	634	(display$3 near10 (binar$5 near3 image$1))	USPAT	2005/01/2 1 17:04			
28	BRS	L28	103	27 same(display$3 near10 (rgb or color or multivalue$1 or multi-value$1))	USPAT	2005/01/2 1 17:05			
29	BRS	L29	0	28 same (character$1 near3 recogn$6)	USPAT	2005/01/2 1 17:06			
30	BRS	L30	4	27 same (character$1 near3 recogn$6)	USPAT	2005/01/2 1 17:08			
31	BRS	L31	4724	(editing or editor) same (sheet$1 or document$1)	USPAT	2005/01/2 1 17:08			
32	BRS	L32	35	31 same (rgb or (red adj green adj blue) or multivalue$1 or multi-value$1)	USPAT	2005/01/2 1 17:09			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
33	BRS	L33	7	32 same (binar$7 or (black near3 white))	USPAT	2005/01/21 17:09			

◆IEEE

Membership   Publications/Services   Standards   Conferences   Careers/Jobs

IEEE *Xplore*®
RELEASE 1.8

Welcome
United States Patent and Trademark Office

» Se.

Help   FAQ   Terms   IEEE Peer Review | **Quick Links** |

Welcome to IEEE Xplore

- ○ Home
- ○ What Can
  I Access?
- ○ Log-out

Tables of Contents

- ○ Journals
  & Magazines
- ○ Conference
  Proceedings
- ○ Standards

Search

- ○ By Author
- ○ Basic
- ○ Advanced
- ○ CrossRef

Member Services

- ○ Join IEEE
- ○ Establish IEEE
  Web Account
- ○ Access the
  IEEE Member
  Digital Library

IEEE Enterprise

- ○ Access the
  IEEE Enterprise
  File Cabinet

🖾 Print Format

Your search matched **14** of **1117580** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

| (multi vale* or multivalue* or color* or rgb) <paragraph> | Search |

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

1 **Automatic detection and recognition of signs from natural scenes**
Xilin Chen; Jie Yang; Jing Zhang; Waibel, A.;
Image Processing, IEEE Transactions on , Volume: 13 , Issue: 1 , Jan. 2004
Pages:87 - 99

[Abstract]   [PDF Full-Text (1264 KB)]   IEEE JNL

2 **Direct extraction of topographic features for gray scale character recognition**
Seong-Whan Lee; Young Joon Kim;
Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 17 , Issue: 7 , July 1995
Pages:724 - 728

[Abstract]   [PDF Full-Text (568 KB)]   IEEE JNL

3 **Day markings detection in natural photo with morphological methoc**
Long Meng; Guijin Wang; Lidong Xu; Xinggang Lin;
Information, Communications and Signal Processing, 2003 and the Fourth Pac Rim Conference on Multimedia. Proceedings of the 2003 Joint Conference of tl Fourth International Conference on , Volume: 2 , 15-18 Dec. 2003
Pages:778 - 781 vol.2

[Abstract]   [PDF Full-Text (376 KB)]   IEEE CNF

4 **Utilization of texture, contrast and color homogeneity for detecting recognizing text from video frames**
Tekinalp, S.; Alatan, A.A.;
Image Processing, 2003. Proceedings. 2003 International Conference on , Vol 3 , 14-17 Sept. 2003

h   eee   e eee   g e ch e ch e   e   c e   e   ec   e

Pages:III - 505-8 vol.2

[Abstract]   [PDF Full-Text (408 KB)]   IEEE CNF

---

5 Robust multifont OCR system from gray level images
LeBourgeois, F.;
Document Analysis and Recognition, 1997., Proceedings of the Fourth Interna
Conference on , Volume: 1 , 18-20 Aug. 1997
Pages:1 - 5 vol.1

[Abstract]   [PDF Full-Text (660 KB)]   IEEE CNF

---

6 Character string extraction by multi-stage relaxation
Hase, H.; Shinokawa, T.; Yoneda, M.; Sakai, M.; Maruyama, H.;
Document Analysis and Recognition, 1997., Proceedings of the Fourth Interna
Conference on , Volume: 1 , 18-20 Aug. 1997
Pages:298 - 302 vol.1

[Abstract]   [PDF Full-Text (488 KB)]   IEEE CNF

---

7 Robust text detection from binarized document images
Okun, O.; Yan, Y.; Pietikainen, M.;
Pattern Recognition, 2002. Proceedings. 16th International Conference
on , Volume: 3 , 11-15 Aug. 2002
Pages:61 - 64 vol.3

[Abstract]   [PDF Full-Text (326 KB)]   IEEE CNF

---

8 Character-like region verification for extracting text in scene image:
Hao Wang; Kangas, J.;
Document Analysis and Recognition, 2001. Proceedings. Sixth International
Conference on , 10-13 Sept. 2001
Pages:957 - 962

[Abstract]   [PDF Full-Text (512 KB)]   IEEE CNF

---

9 Videotext OCR using hidden Markov models
Natarajan, P.; Elmieh, B.; Schwartz, R.; Makhoul, J.;
Document Analysis and Recognition, 2001. Proceedings. Sixth International
Conference on , 10-13 Sept. 2001
Pages:947 - 951

[Abstract]   [PDF Full-Text (416 KB)]   IEEE CNF

---

10 Character segmentation of color images from digital camera
Kongqiao Wang; Kangas, J.A.; Wenwen Li;
Document Analysis and Recognition, 2001. Proceedings. Sixth International
Conference on , 10-13 Sept. 2001
Pages:210 - 214

[Abstract]   [PDF Full-Text (400 KB)]   IEEE CNF

---

11 A class of m-ary asymmetric symbol error correcting codes constru

h   eee   e eee   g e ch e ch e   e   c e   e   ec   e

by graph coloring
Kaneko, H.; Fujiwara, E.;
Information Theory, 2001. Proceedings. 2001 IEEE International Symposium
on , 24-29 June 2001
Pages:225

[Abstract]   [PDF Full-Text (104 KB)]   **IEEE CNF**

---

12 **Character string extraction from a color document**
Hase, H.; Shinokawa, T.; Yoneda, M.; Sakai, M.; Maruyama, H.;
Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fiftl
International Conference on , 20-22 Sept. 1999
Pages:75 - 78

[Abstract]   [PDF Full-Text (172 KB)]   **IEEE CNF**

---

13 **Information capturing camera and developmental issues**
Fujisawa, H.; Sako, H.; Okada, Y.; Seong-Whan Lee;
Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fiftl
International Conference on , 20-22 Sept. 1999
Pages:205 - 208

[Abstract]   [PDF Full-Text (280 KB)]   **IEEE CNF**

---

14 **Identification of text on colored book and journal covers**
Sobottka, K.; Bunke, H.; Kronenberg, H.;
Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fiftl
International Conference on , 20-22 Sept. 1999
Pages:57 - 62

[Abstract]   [PDF Full-Text (104 KB)]   **IEEE CNF**

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account |
New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online
Publications | Help | FAQ| Terms | Back to Top

h   eee   e eee   g e ch e ch e   e   c e   e   ec   e